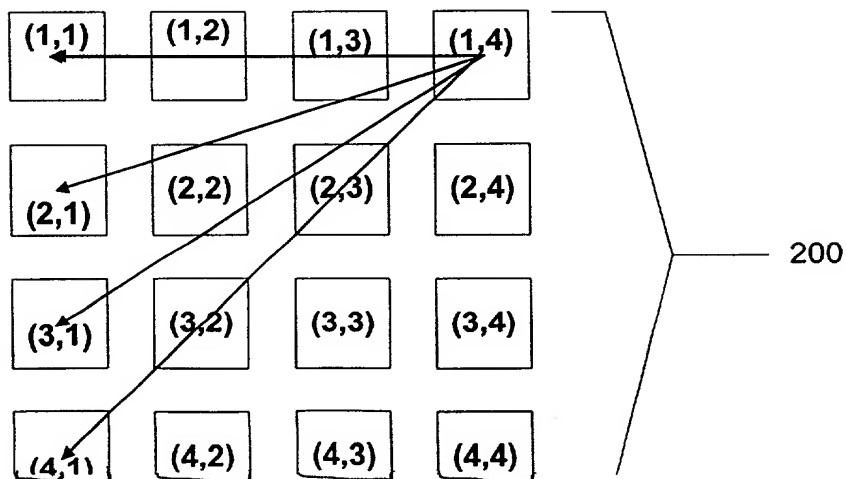
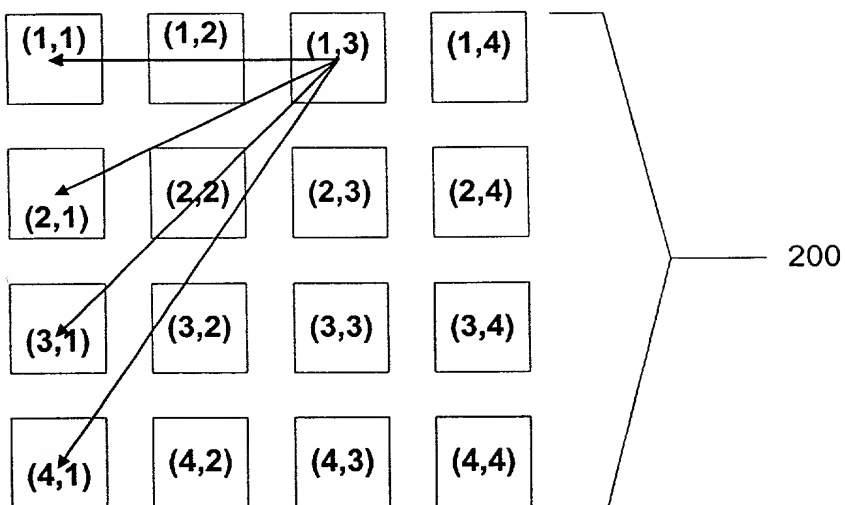
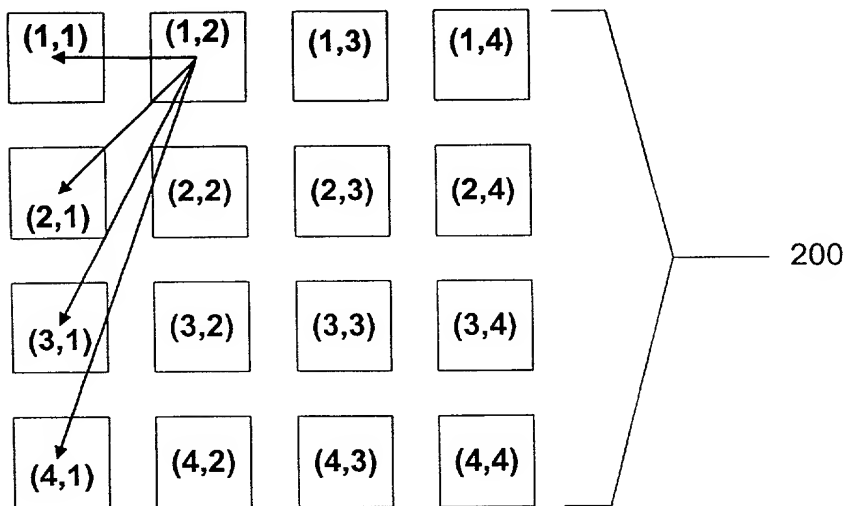


**FIG 2**



**FIG. 3A**

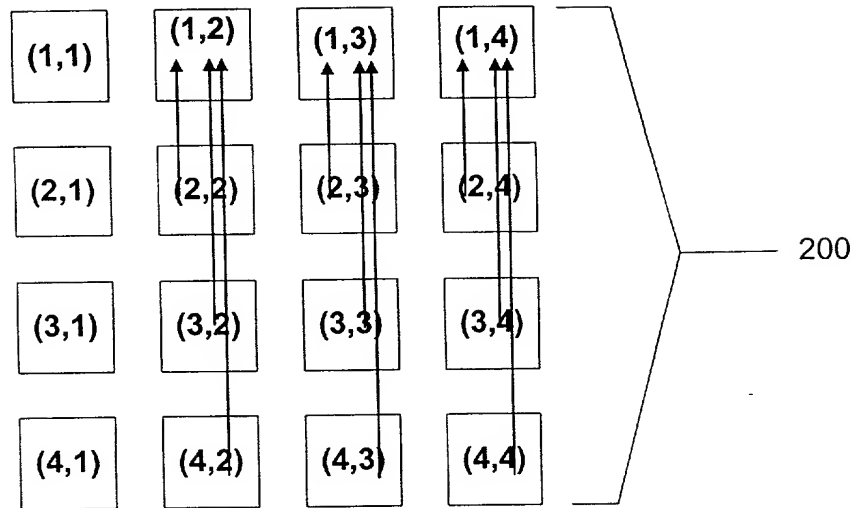
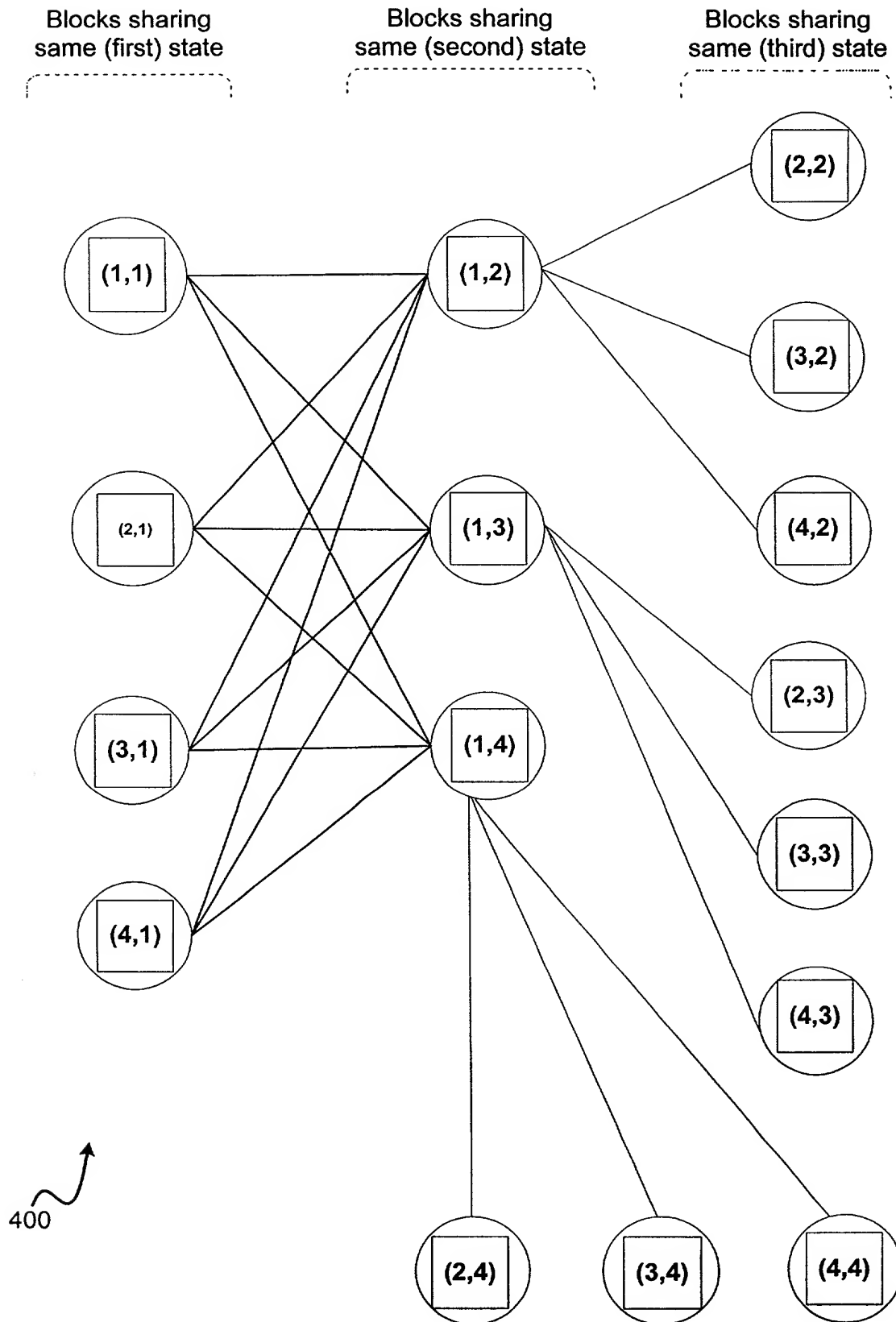
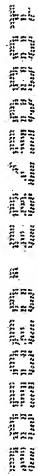


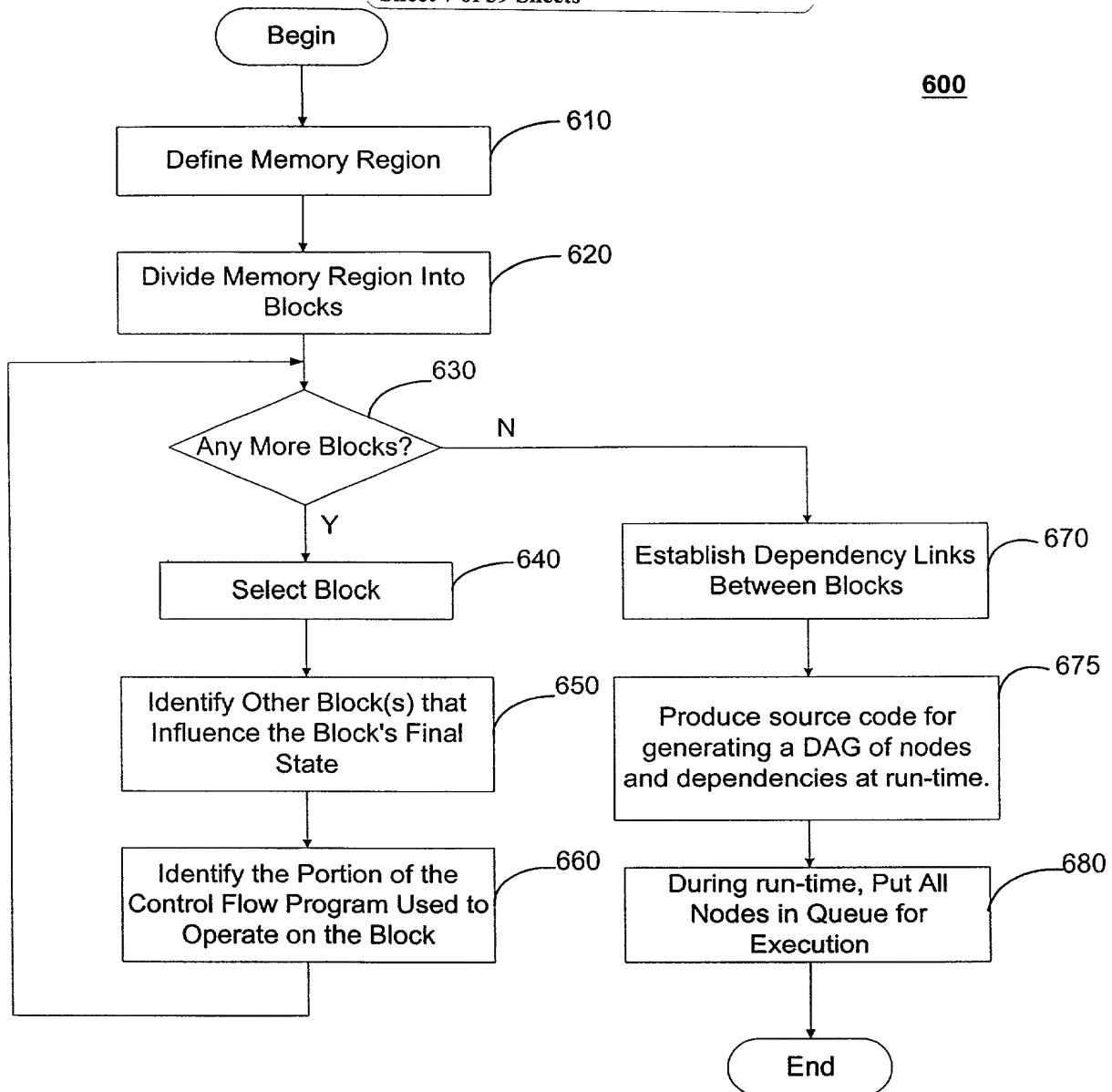
FIG. 3B



**FIG. 4**



1. *Chlorophyll a* and *Chlorophyll b* were determined using a spectrophotometer (Shimadzu UV-1601) at 663 nm and 646 nm, respectively. The concentrations of *Chlorophyll a* and *Chlorophyll b* were calculated using the following equations:



**FIG. 6**

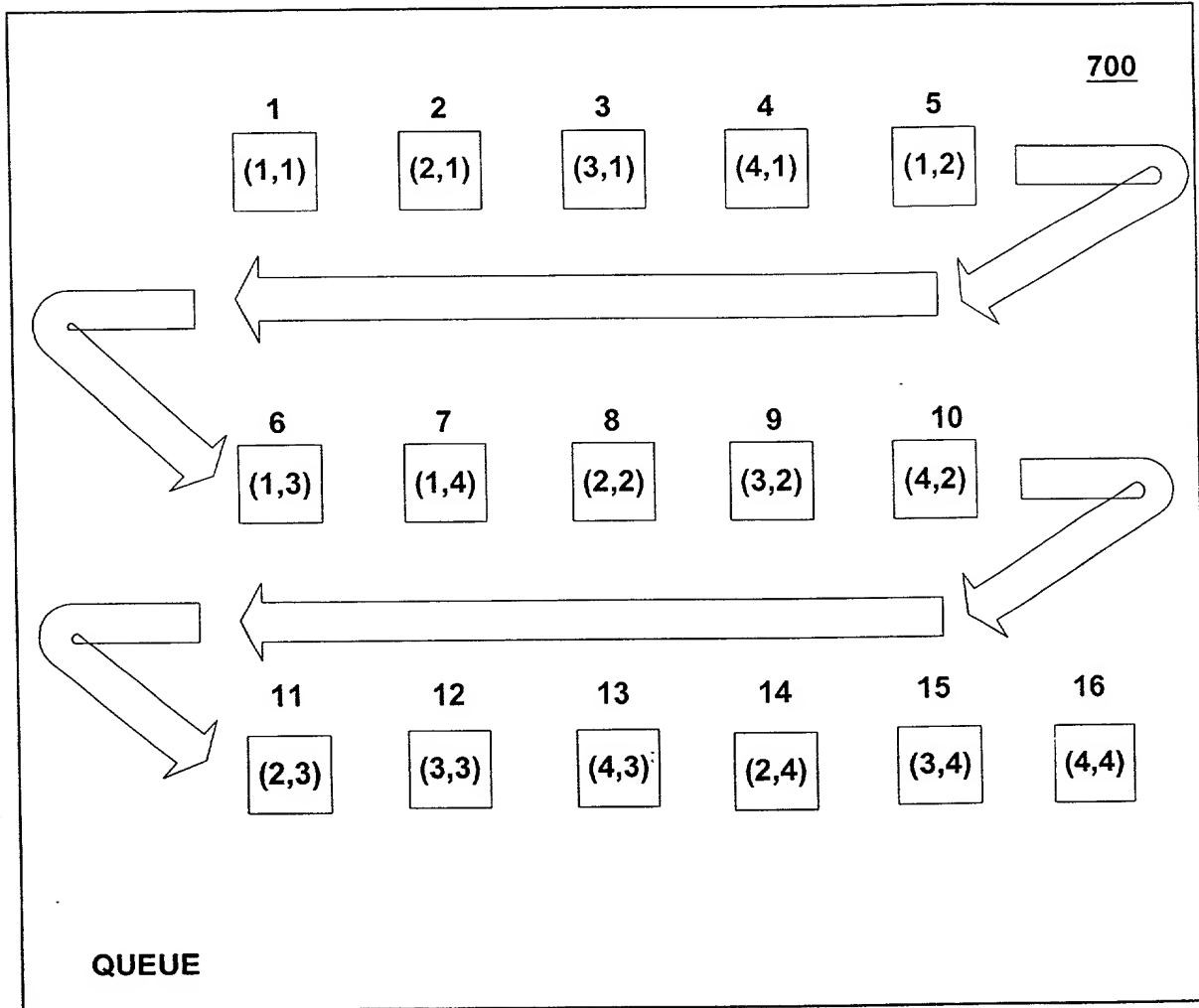
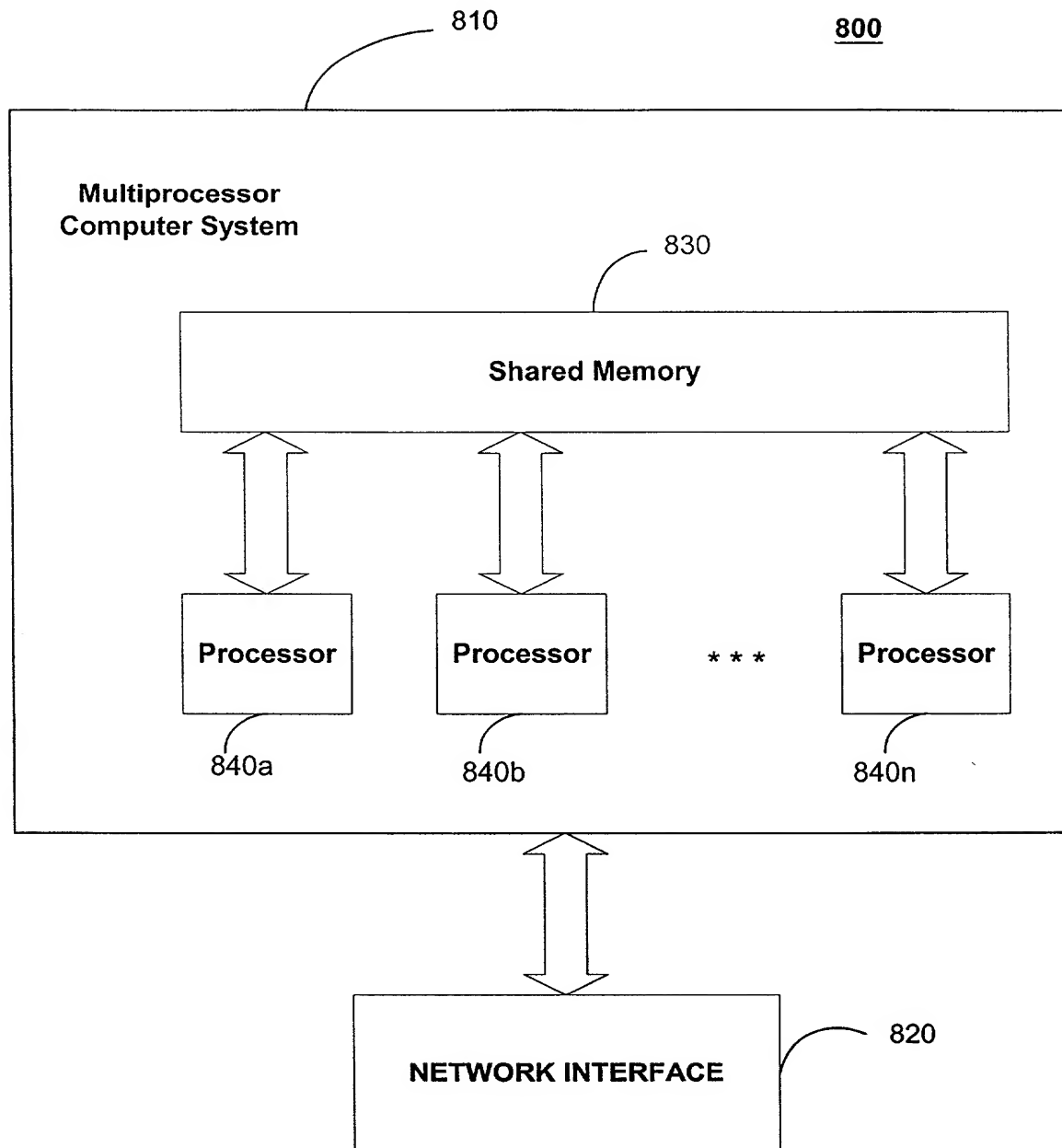
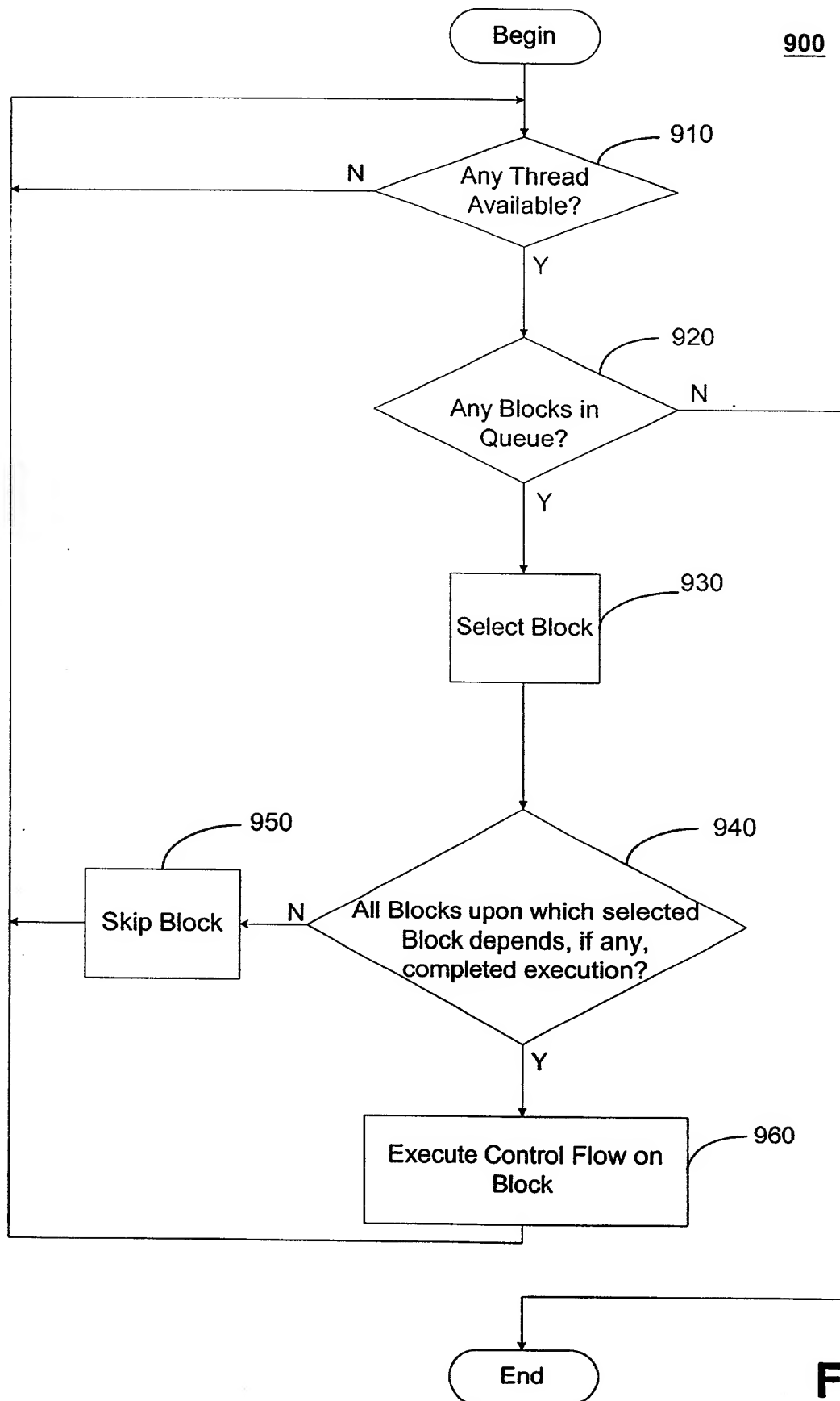


FIG. 7

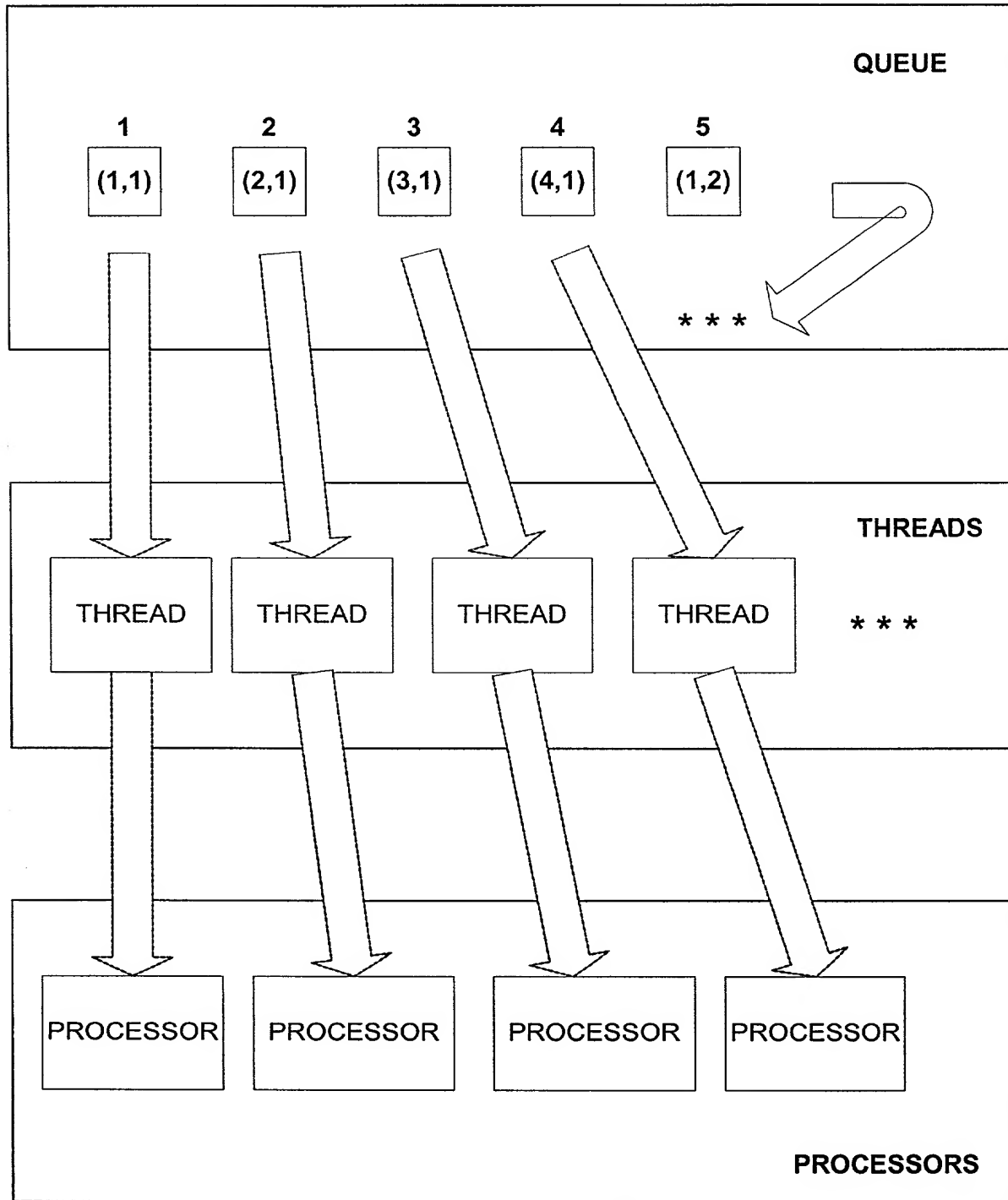




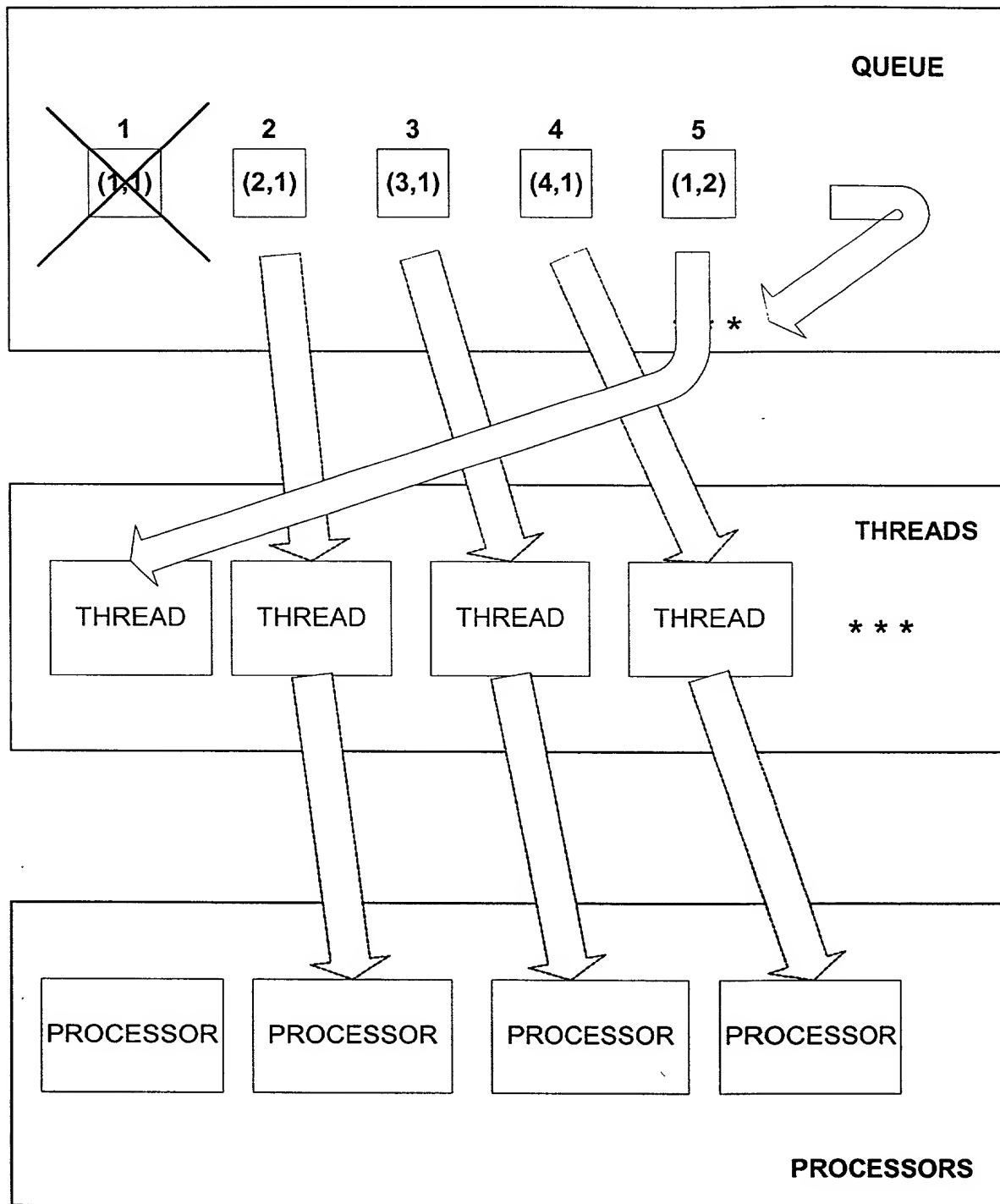
**FIG. 8**



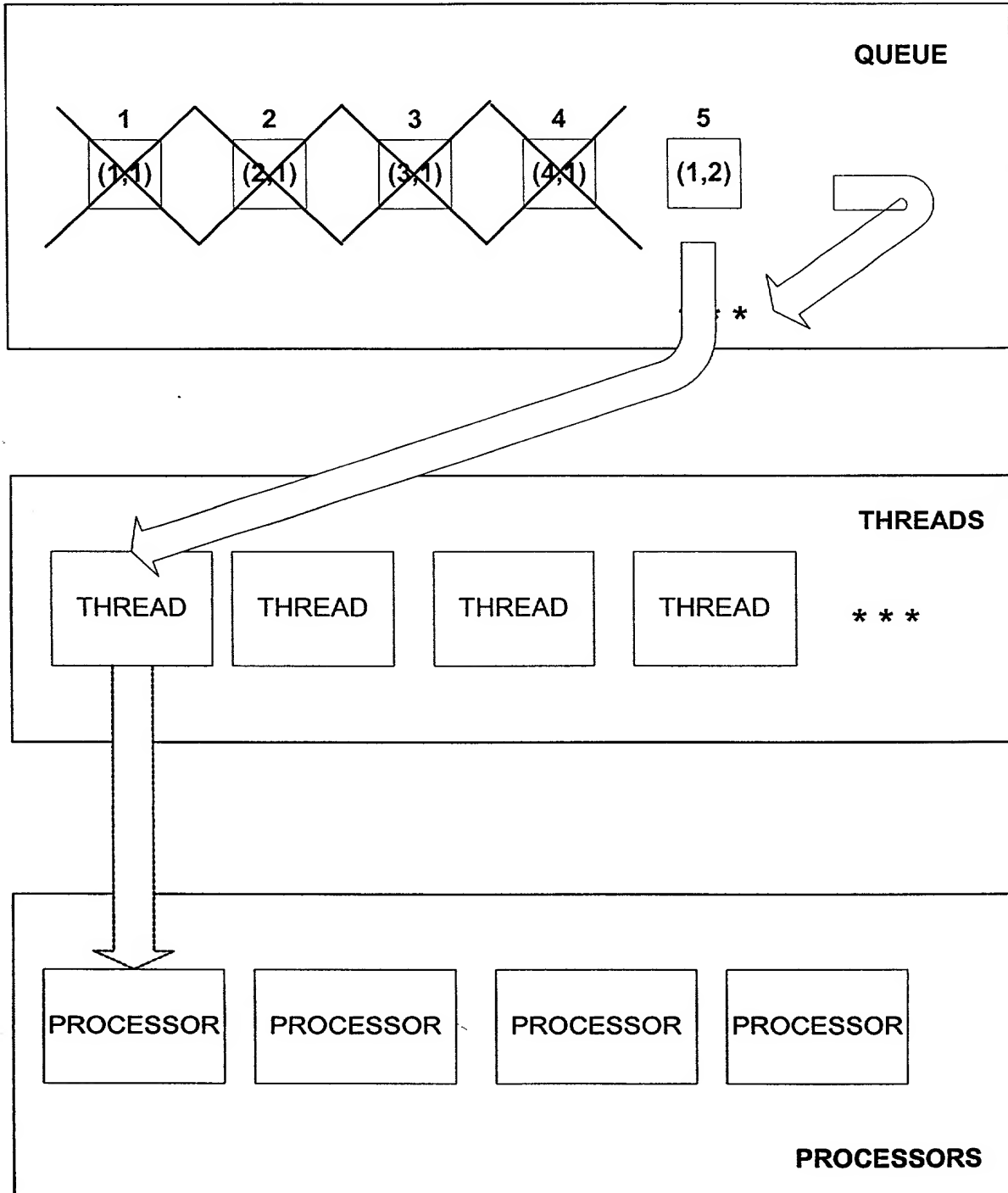
**FIG. 9**



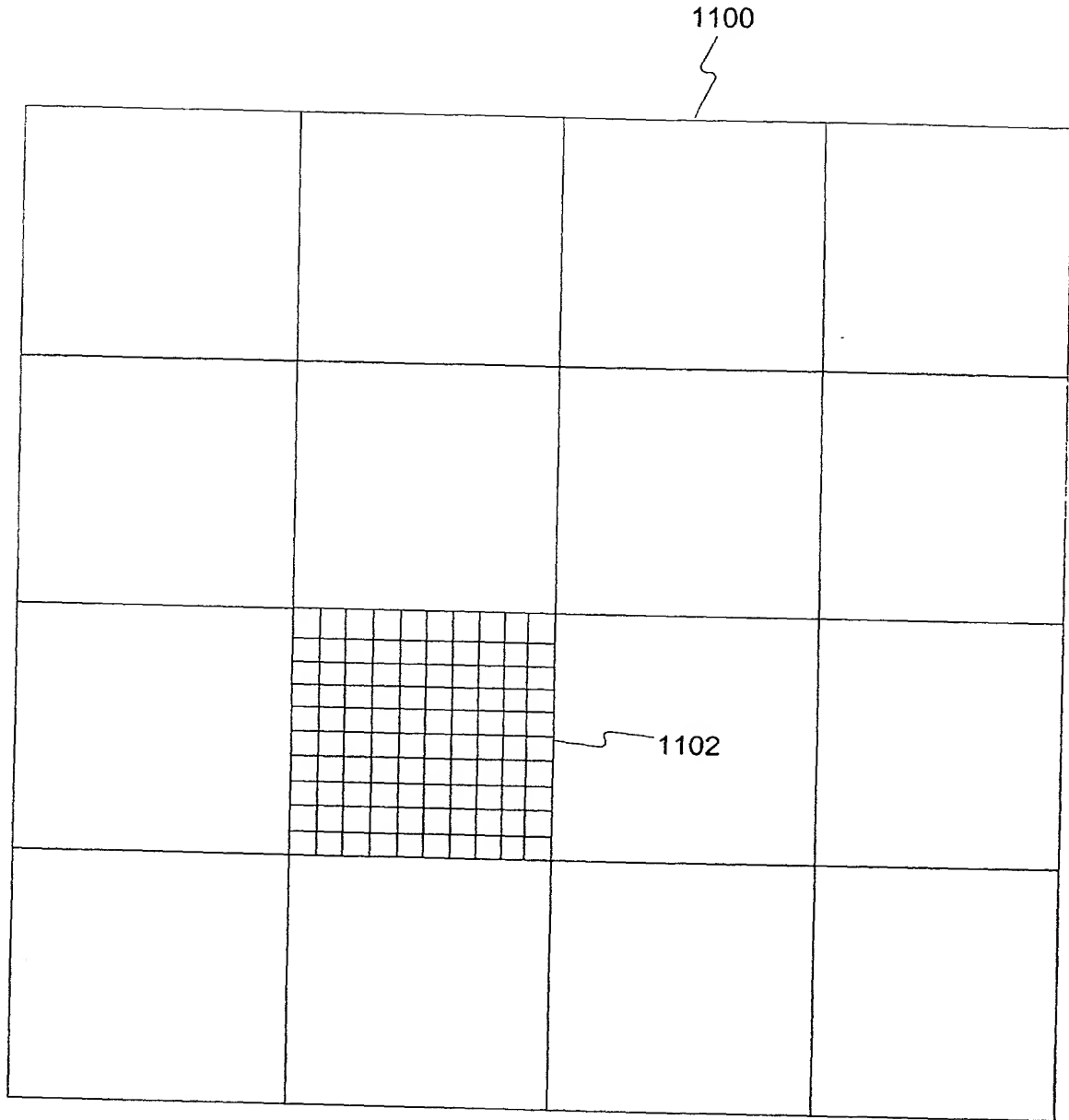
**FIG. 10A**



**FIG. 10B**



**FIG 10C**



**FIG. 11**

Fixed Row, Fixed Column

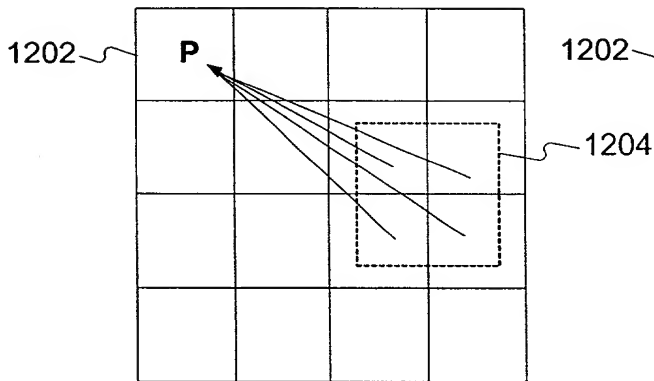


Fig. 12A

Free Row, Fixed Column

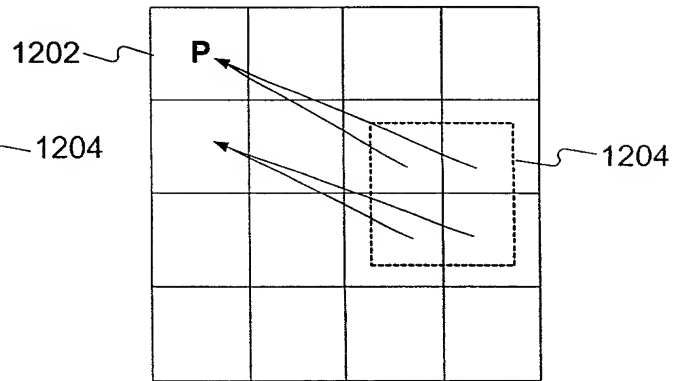


Fig. 12B

Fixed Row, Free Column

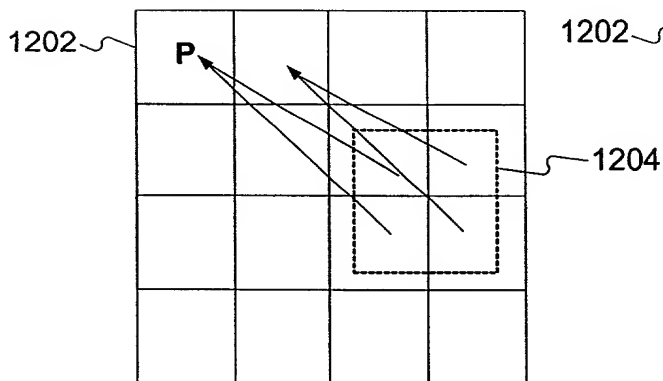


Fig. 12C

Free Row, Free Column

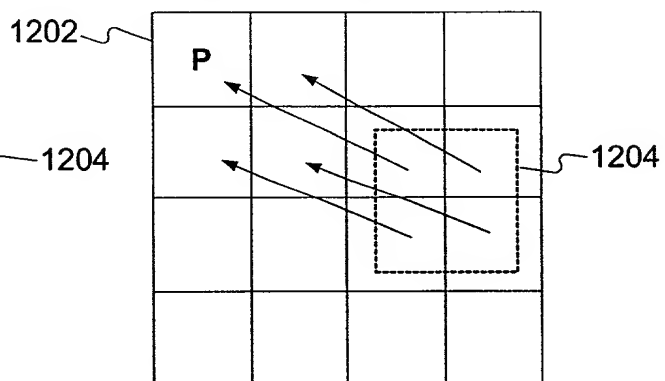
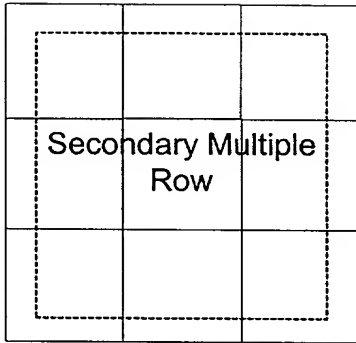
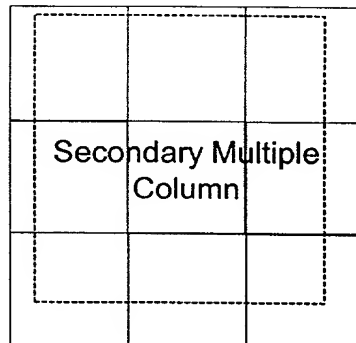


Fig. 12D

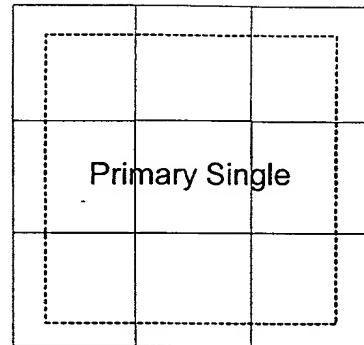
A



B



C



**FIG. 13**



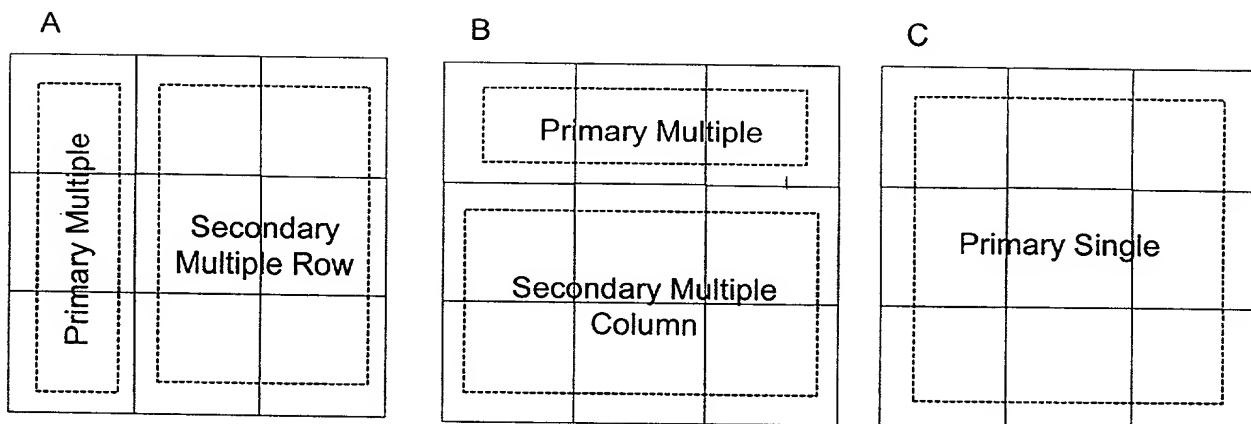
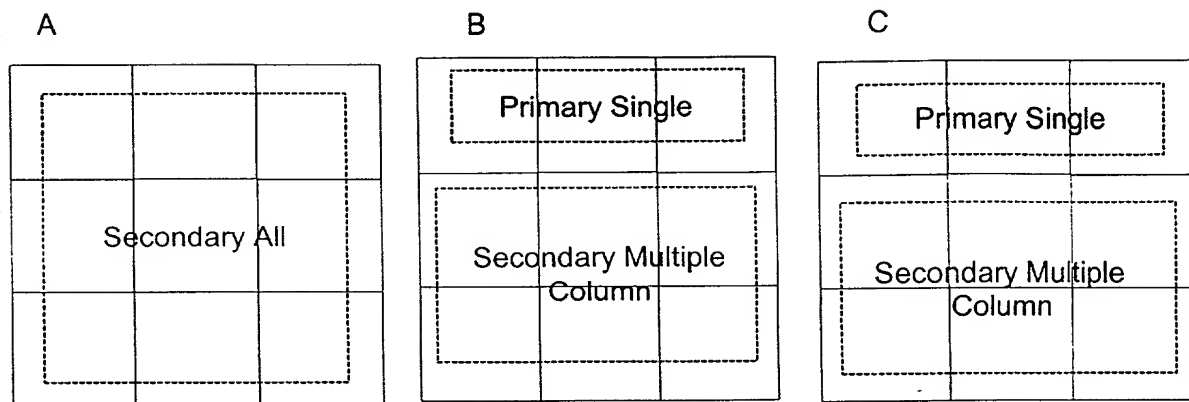
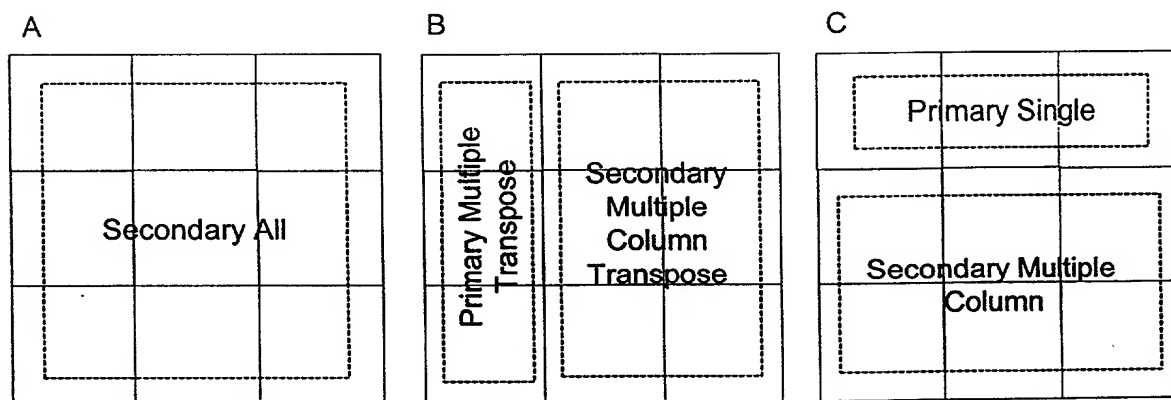


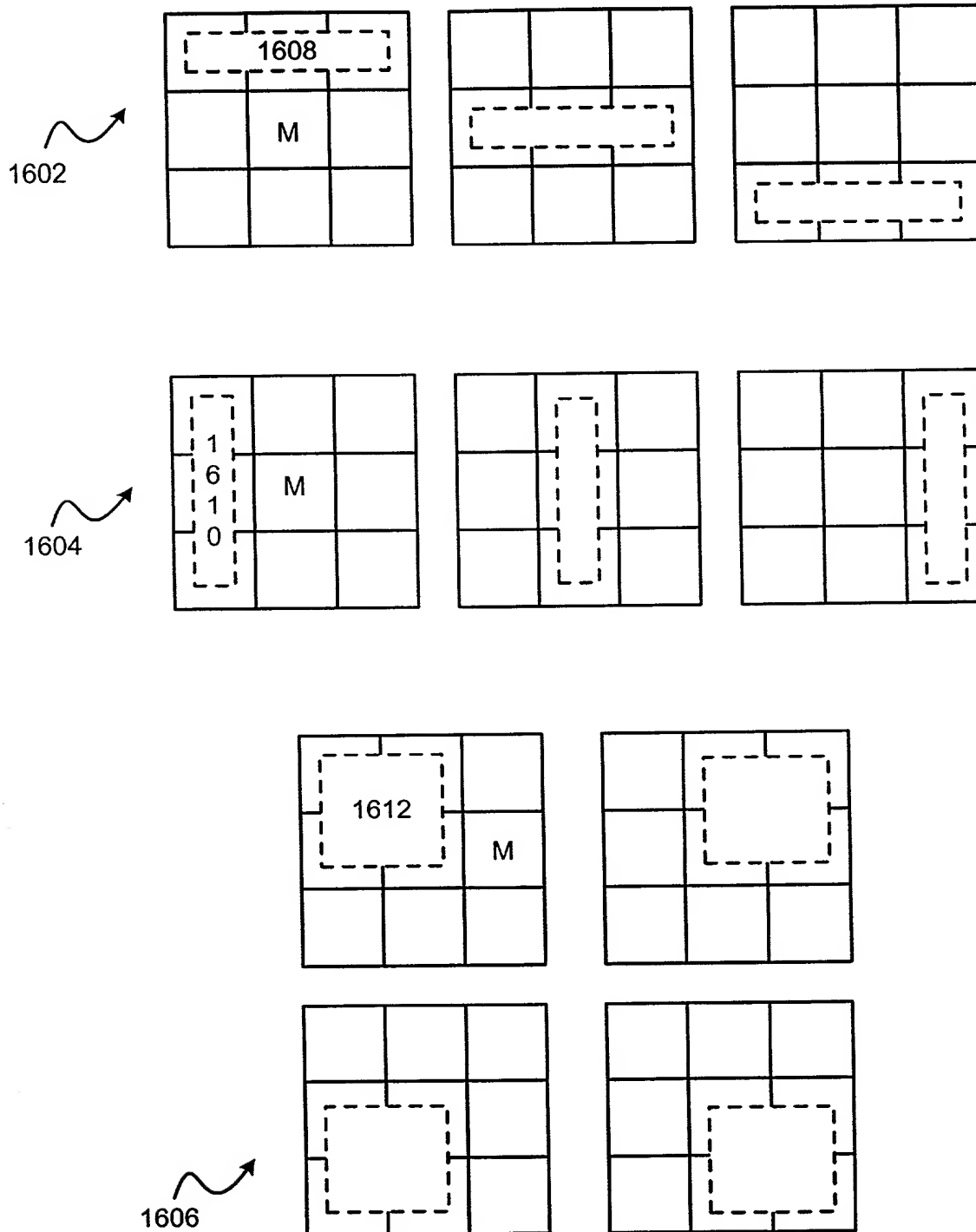
FIG. 14



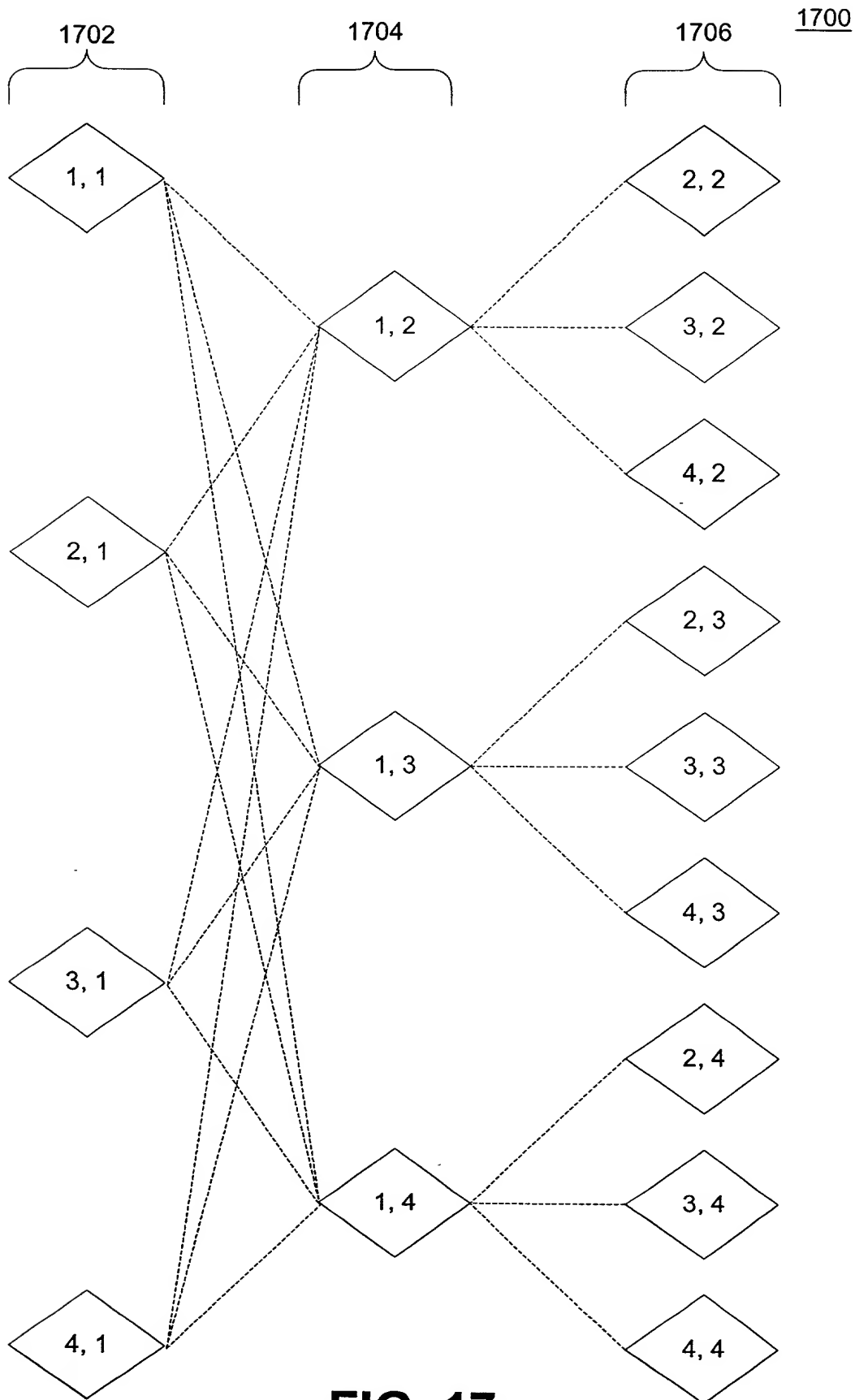
**FIG. 15A**



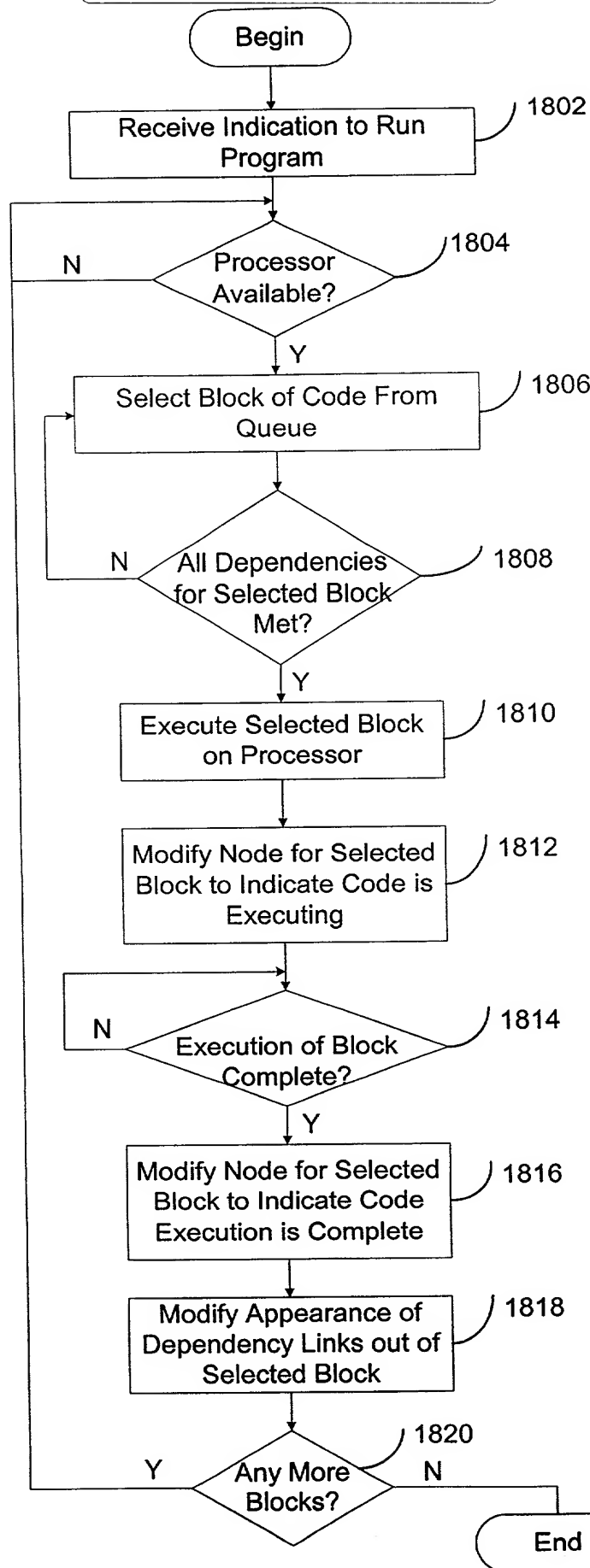
**FIG. 15B**



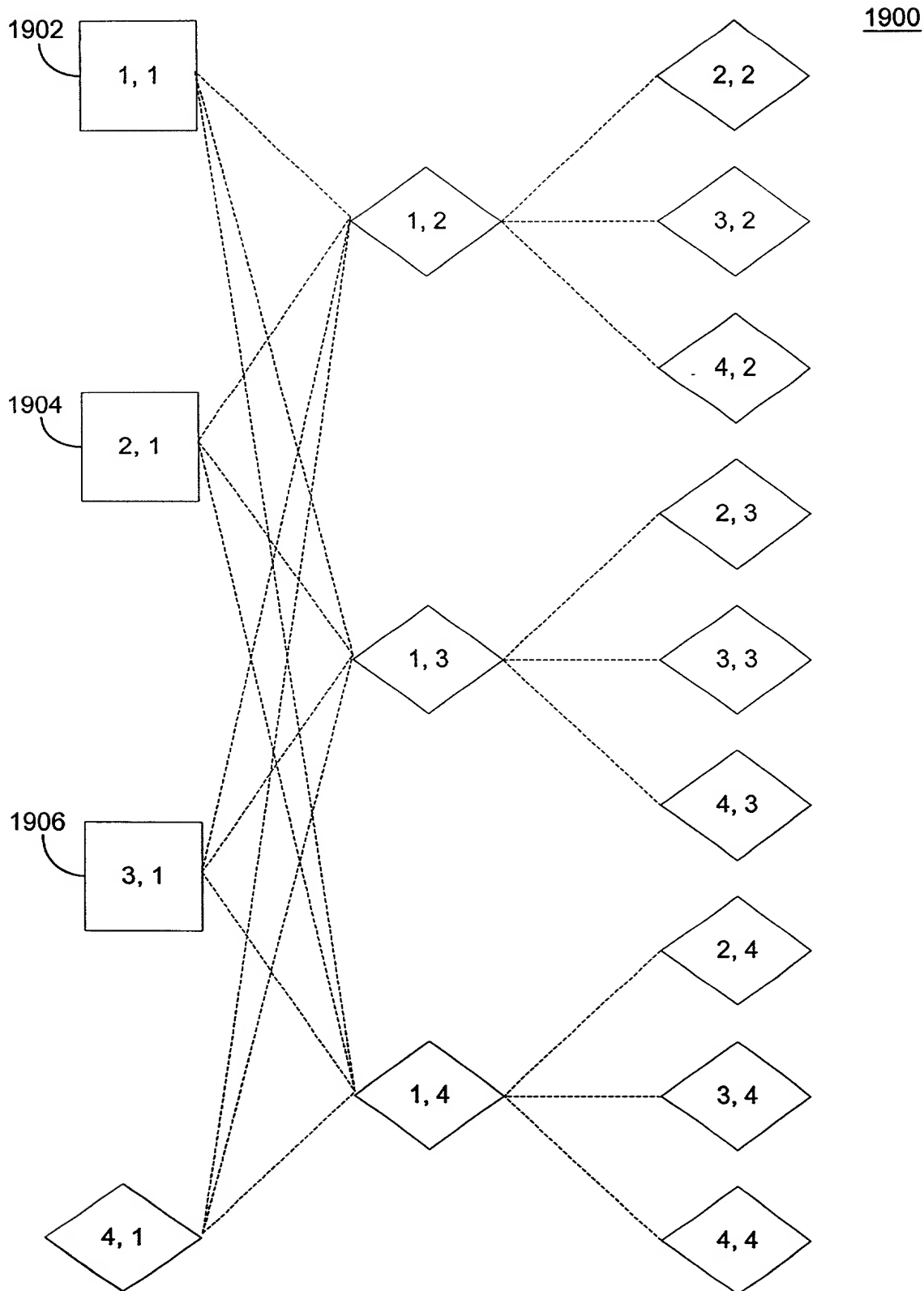
**FIG. 16**



**FIG. 17**

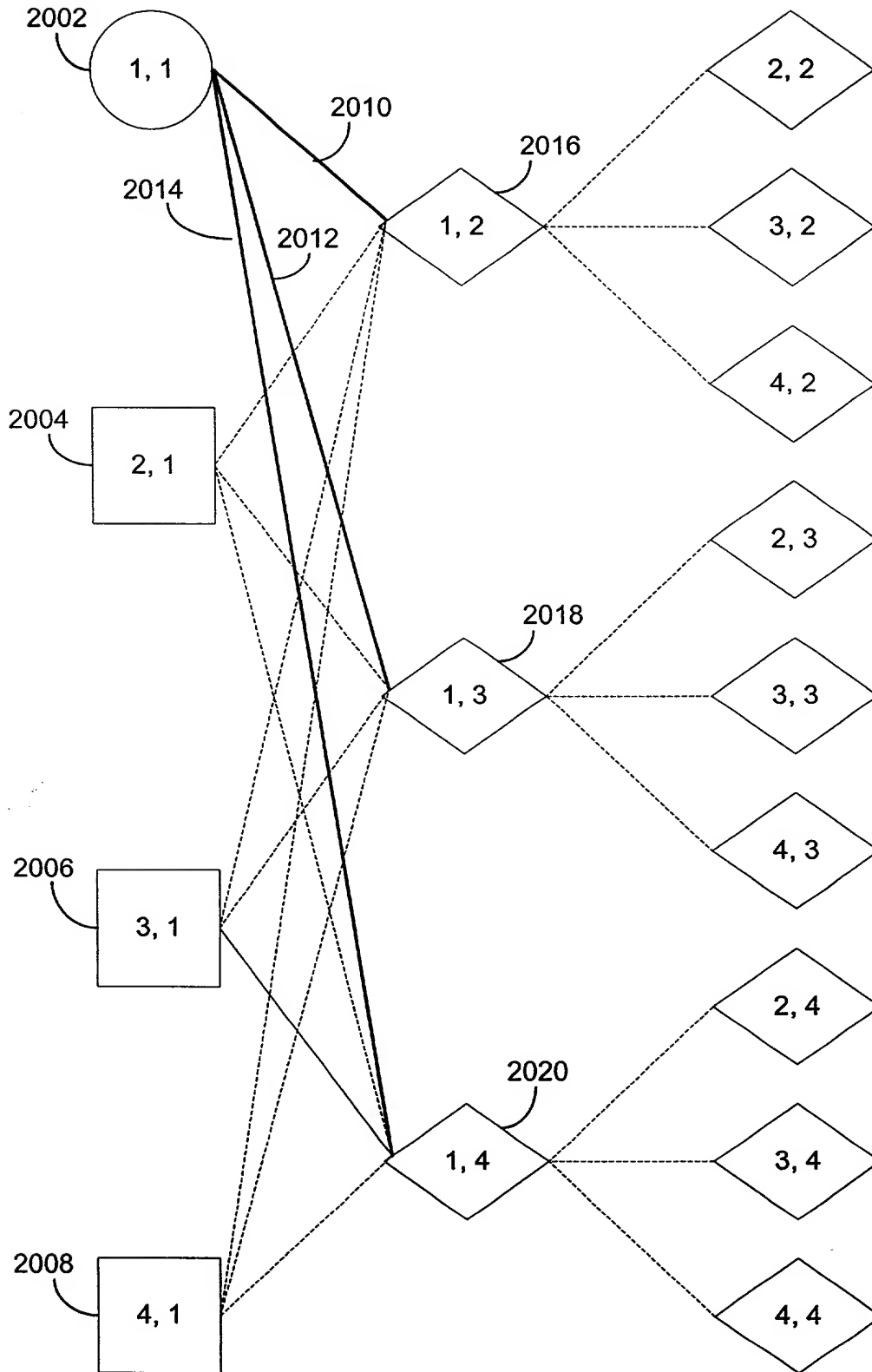


**FIG. 18**



**FIG. 19**

2000



**FIG. 20**

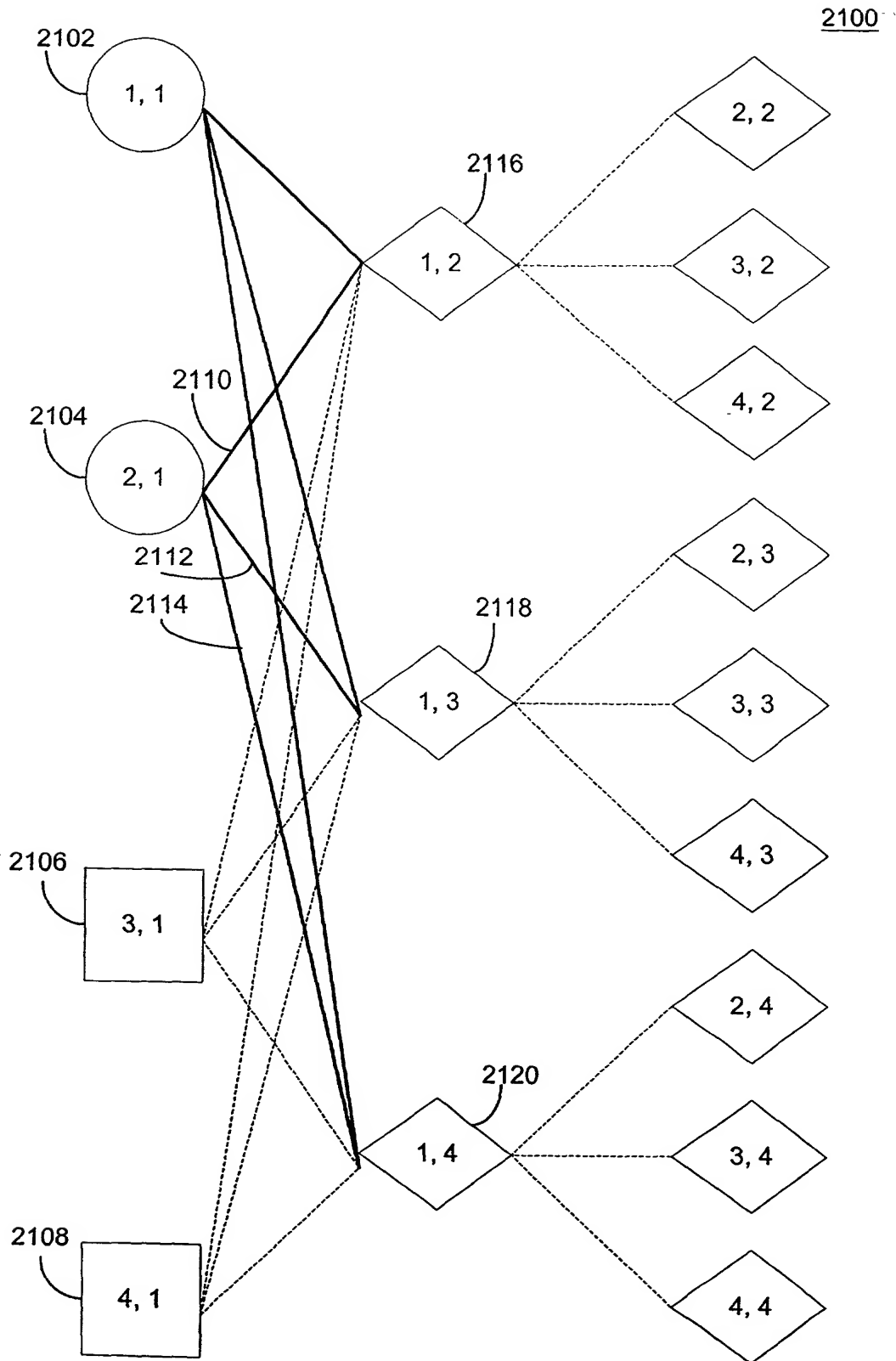
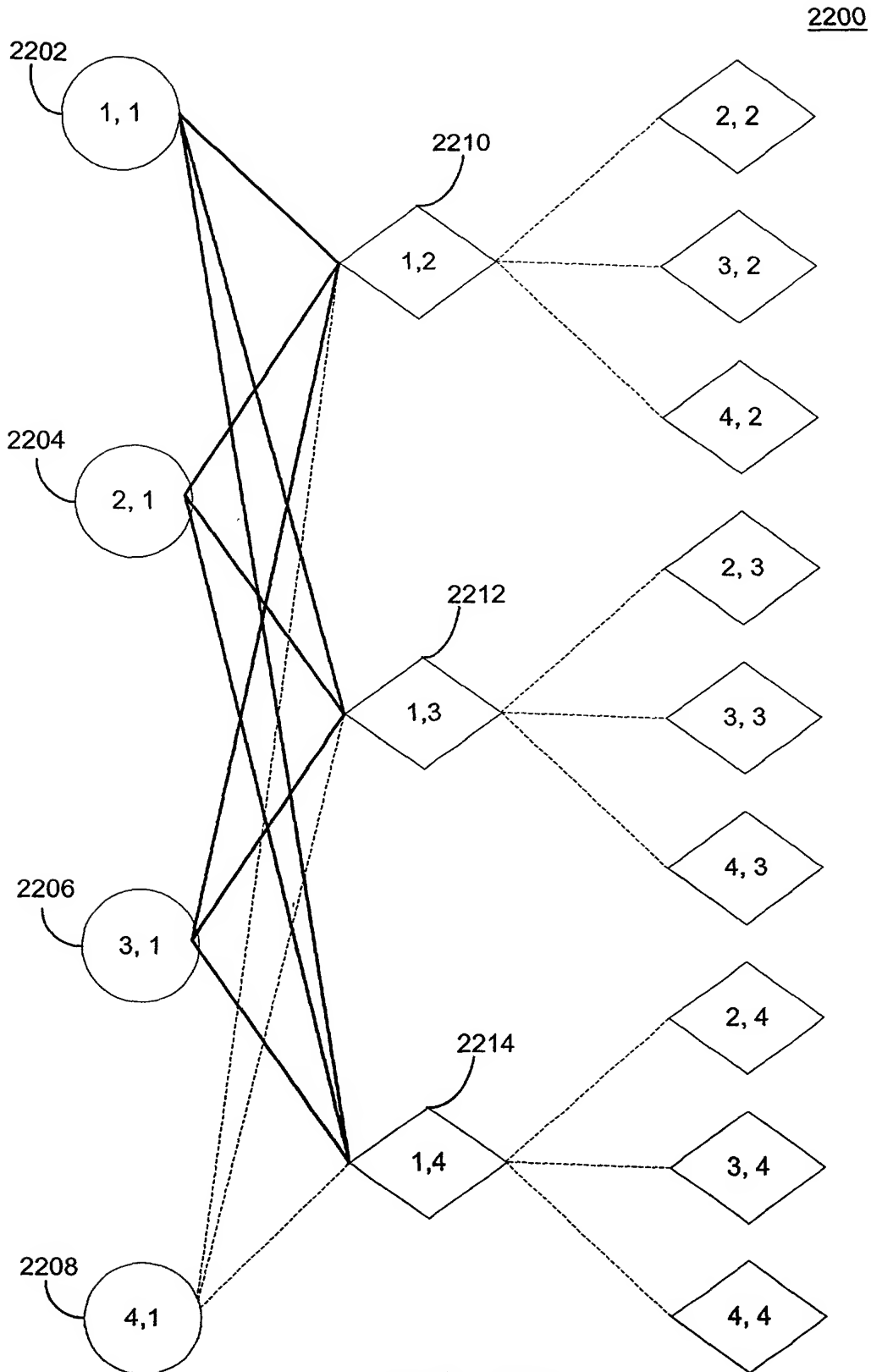


FIG. 21





**FIG. 22**

2300

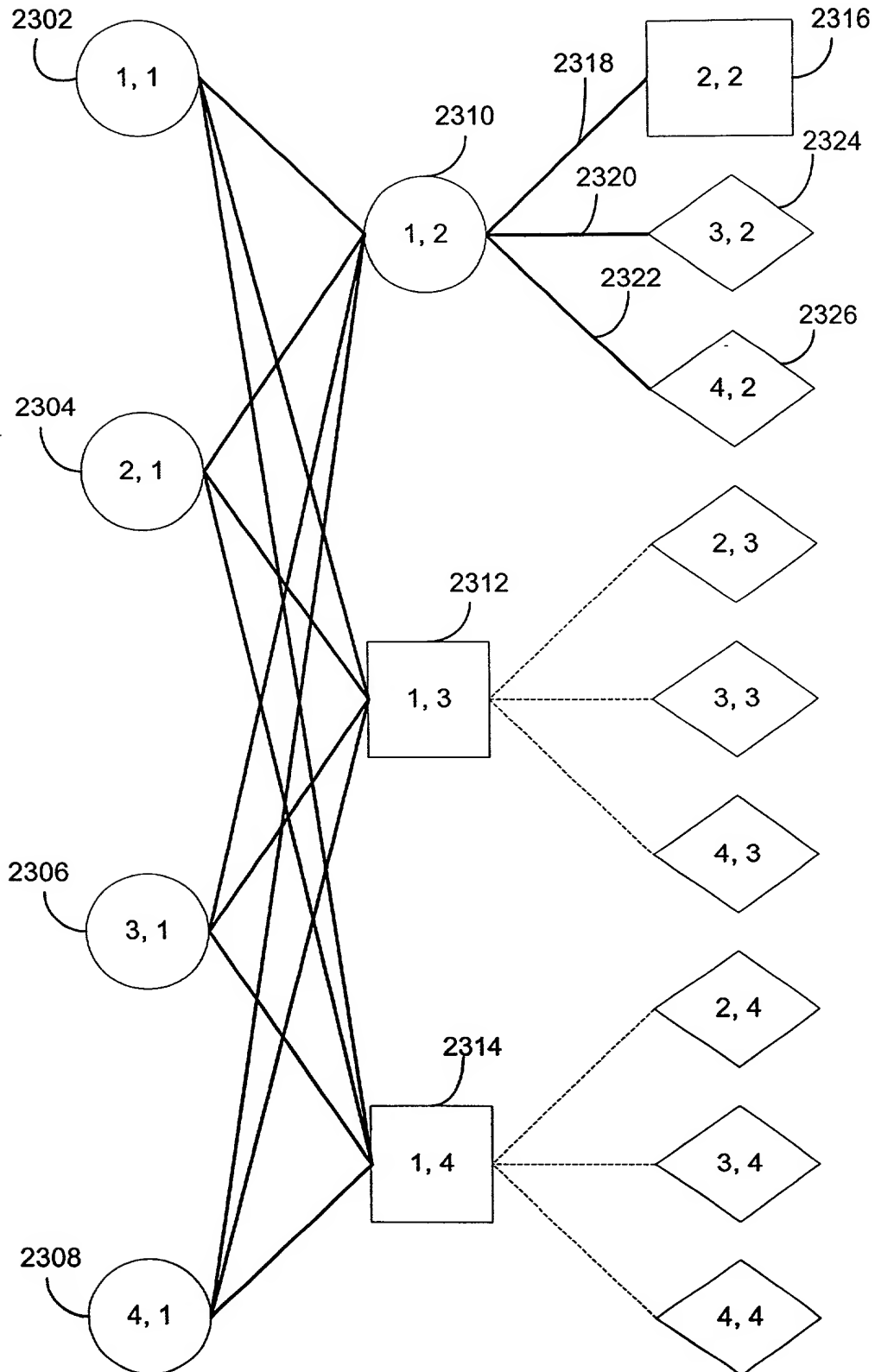
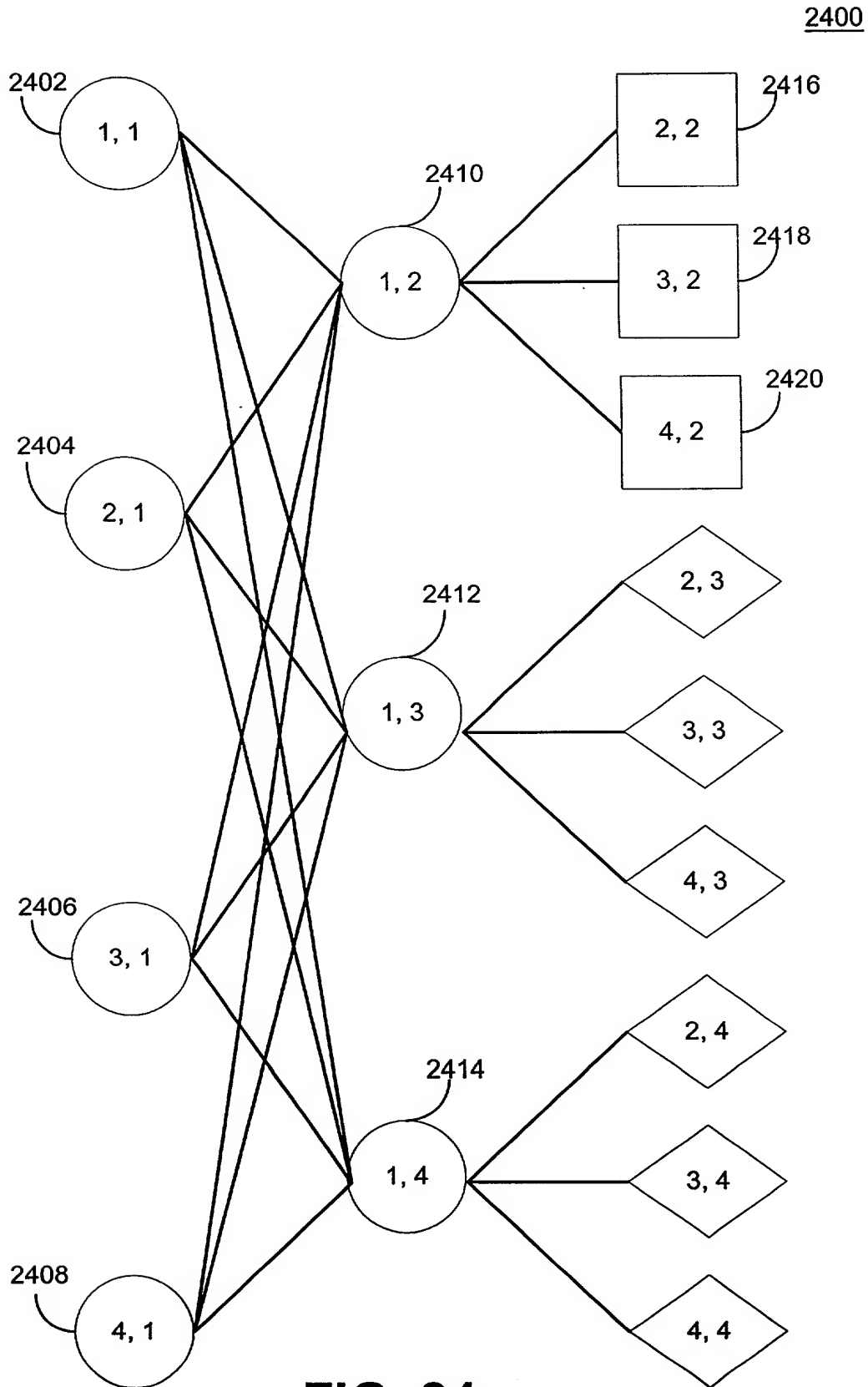
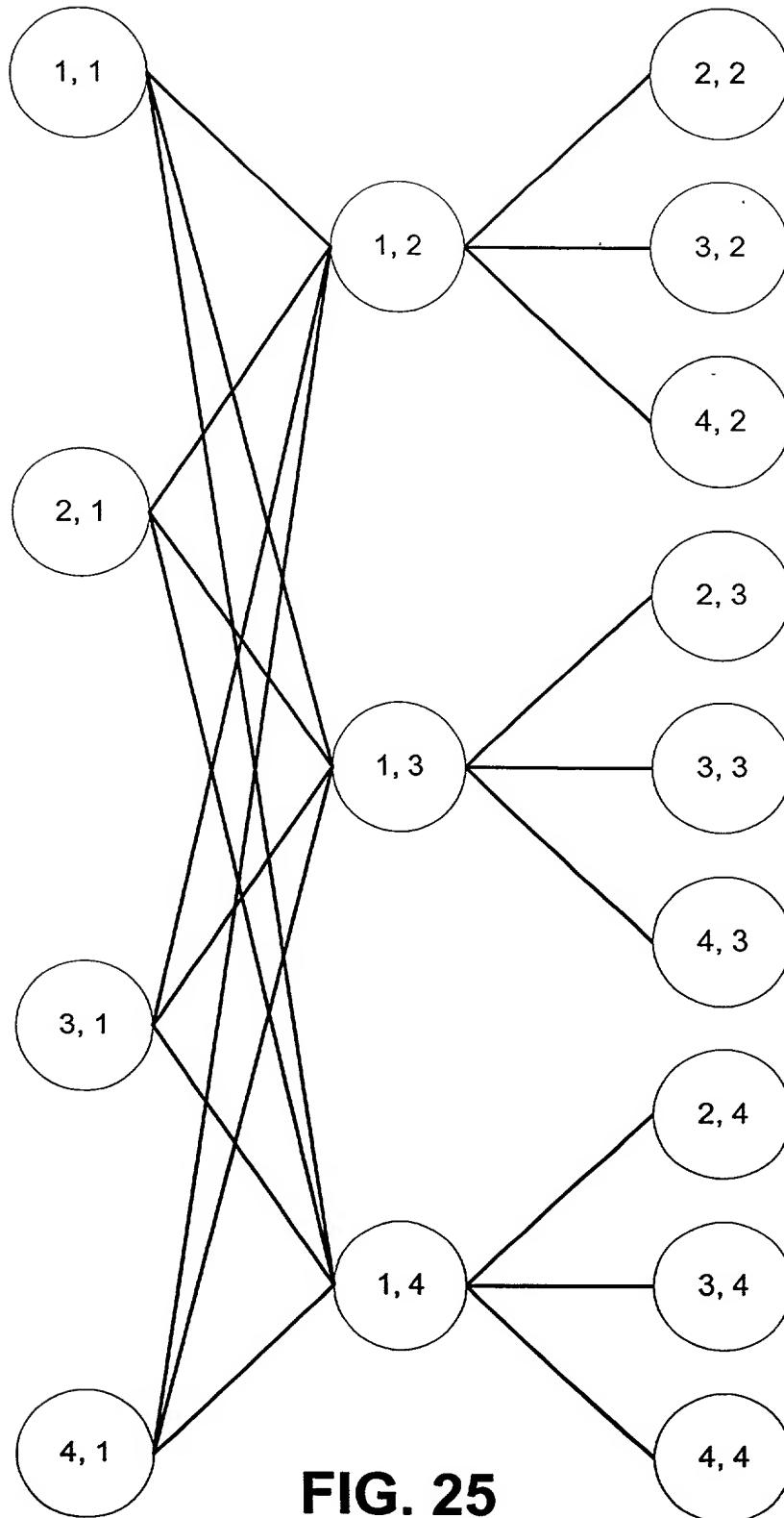


FIG. 23

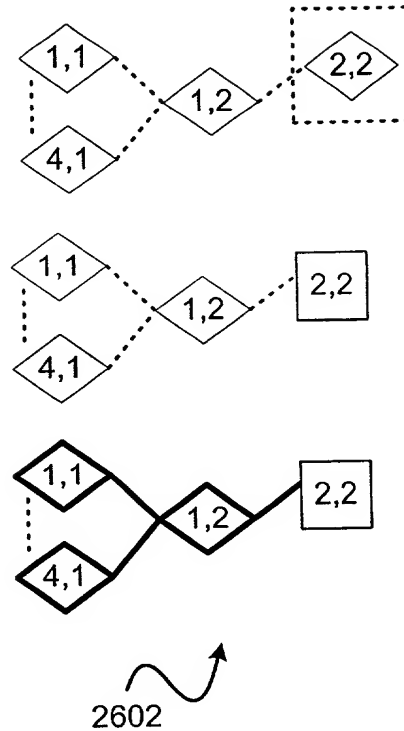
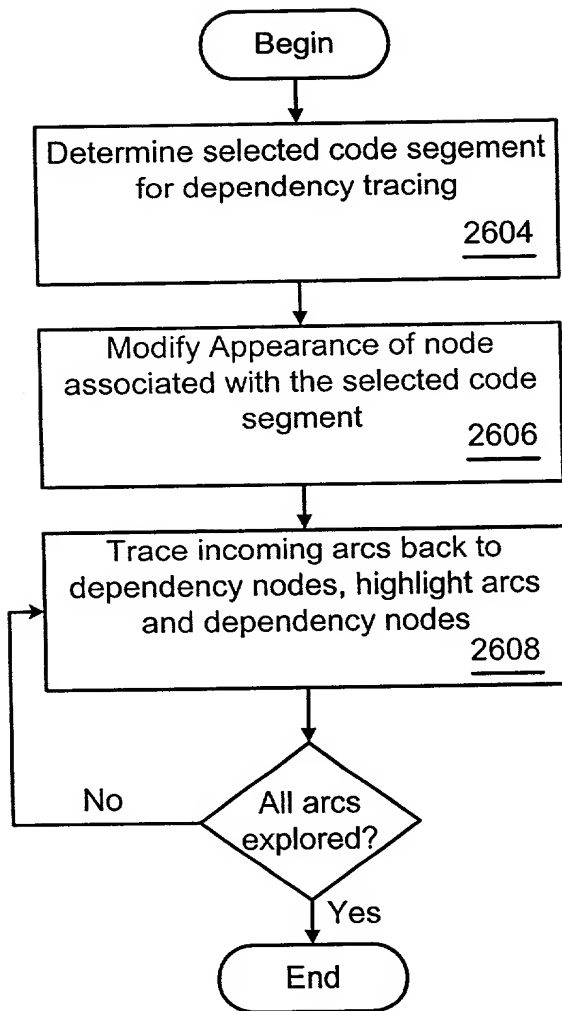


**FIG. 24**

2500



**FIG. 25**



2600

Figure 26

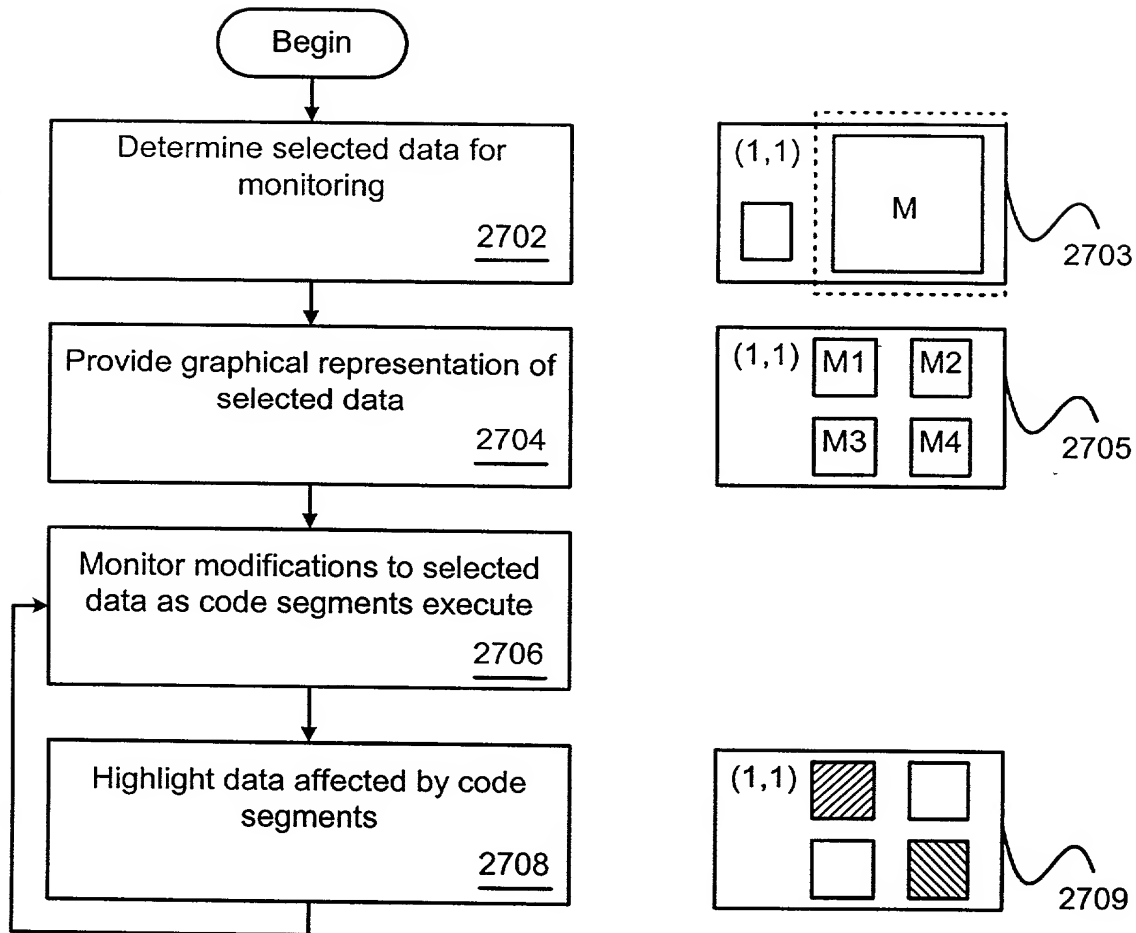
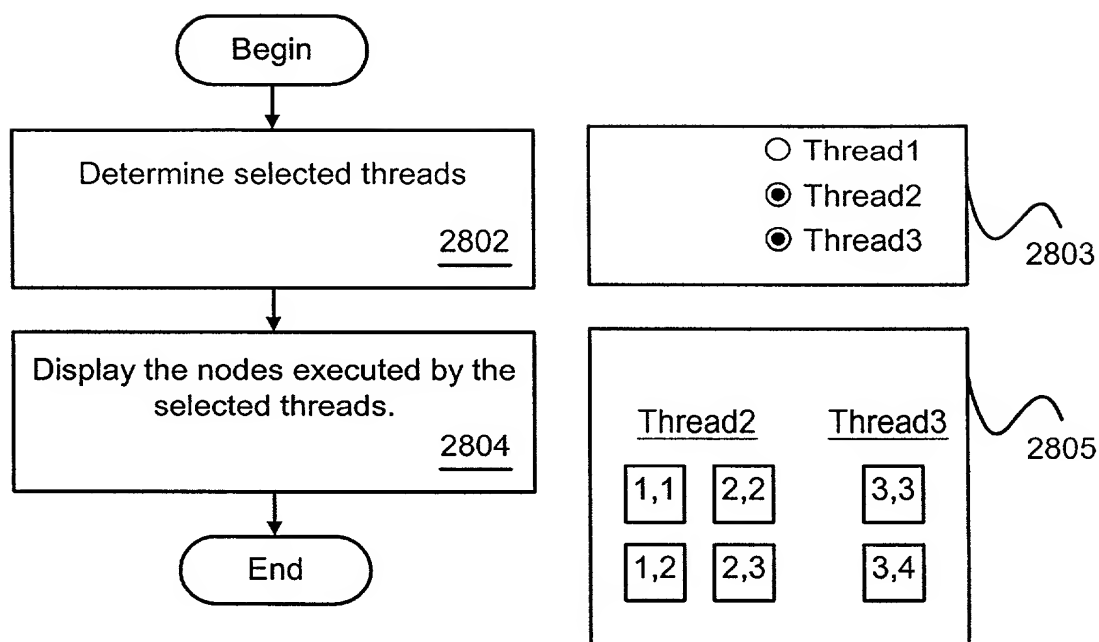
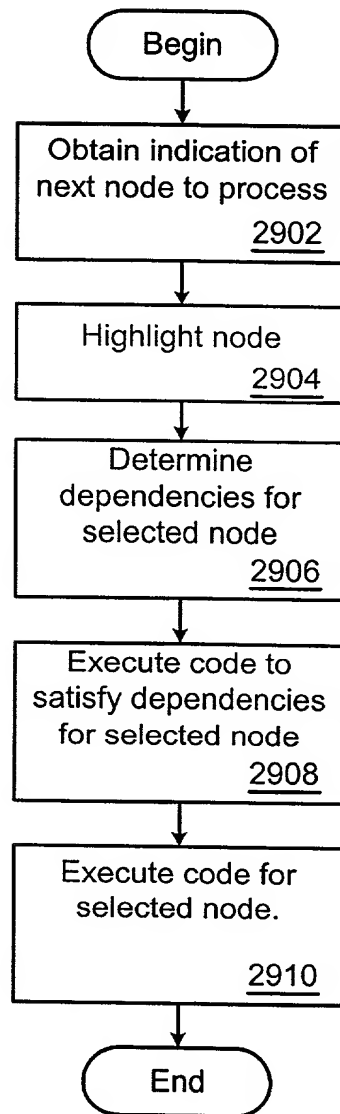


Figure 27



2800

Figure 28



2900 ↗

Figure 29



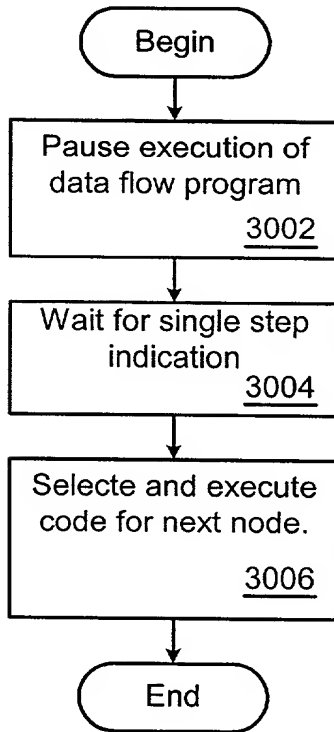
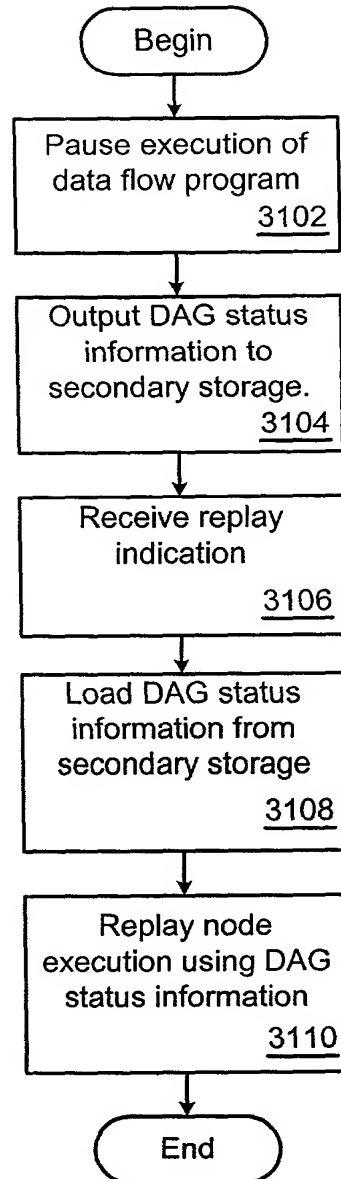


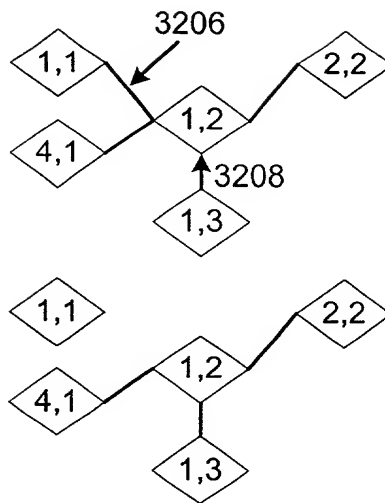
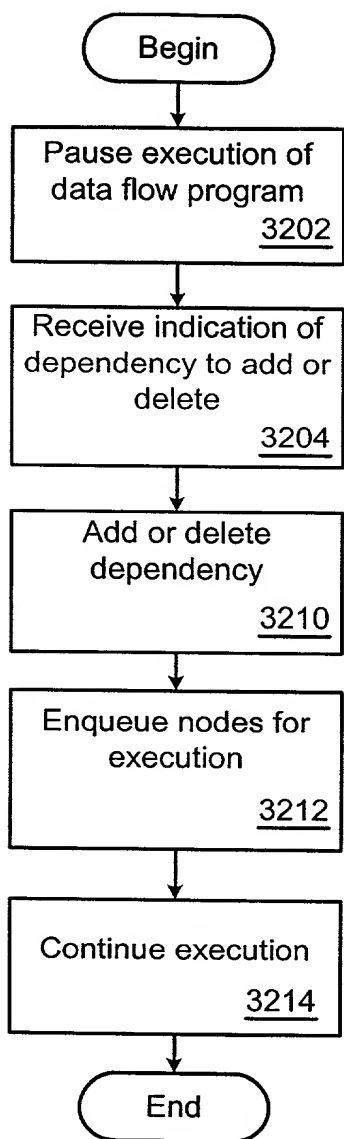
Figure 30

3000 ↗



3100

Figure 31



3200

Figure 32

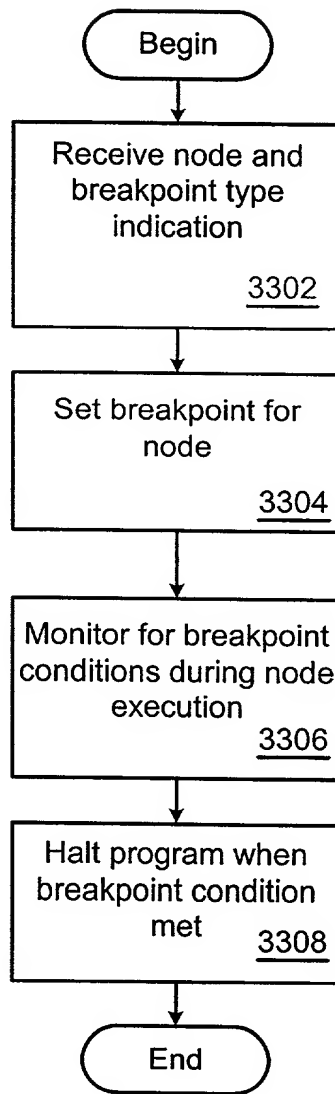


Figure 33

3300 ↗

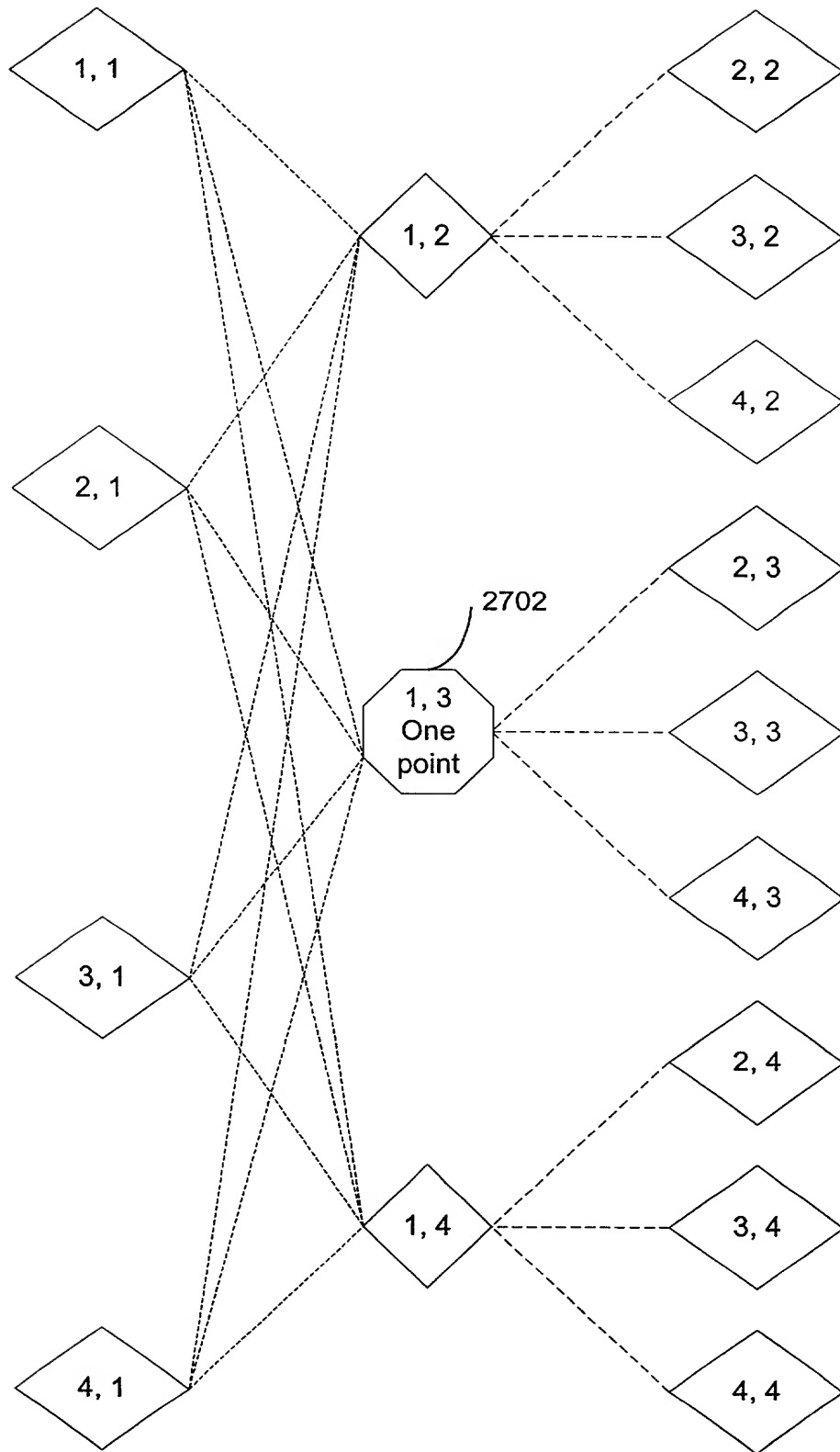


Figure 34

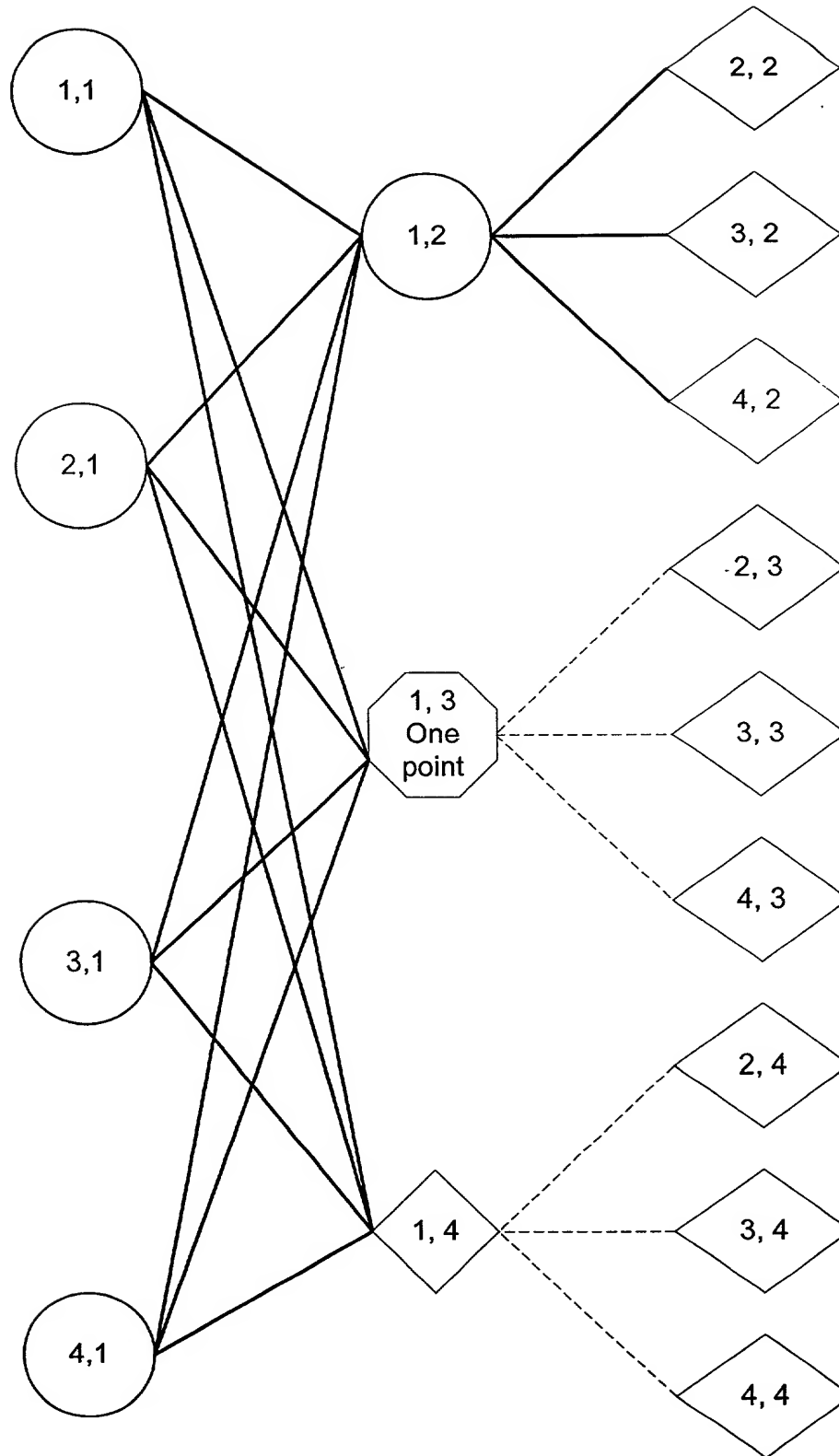


Figure 35